

AGENDA

International Vehicle Technology Symposium

March 11-13. 2003 Sacramento, California

SPEAKER TOPIC

DAY 1

Session I Reducing HFCs

Moderator: Richard Corey, ARB

8:45 - 10:15 a.m.

Ward Atkinson, Sun Test Engineering Service and Replacement of Existing Systems

James A. Baker, Delphi Current World Activity on Mobile Air Conditioning

Systems

Session II Aftertreatment Technology for Reducing Black Carbon, N₂O and CH₄

Moderator: Bart Croes, ARB

10:30 - 12:30 a.m.

Prof. Mark Jacobson, Stanford

University

Matti Maricq, Ph.D., Ford Emissions Impact of Particle Emissions

Joe Kubsh, MECA Status of Particulate Trap Technology; and Methods

To Reduce N₂0 Emissions

Alex Lawson, Teleflex GFI Control

Systems LP

Methods to Reduce Methane Emissions

Global Warming Impact of Black Carbon

Lunch 12:30 - 2:00 p.m.

California Environmental Protection Agency



Session III Reducing CO₂ Emissions

Moderator: Steve Albu, ARB Powertrain Modifications

2:00 - 4:00 p.m.

Dr. Loren Beard, DaimlerChrysler Internal Combustion Engine Improvements
Prof. Marc Ross, University of Low Cost Technologies to Reduce GHGs

Michigan

Dr. Peter Hofbauer, FEV Variable Valve Timing and Variable Valve Lift

Mr. Roland Kemmler, DaimlerChrysler Cylinder Deactivation

Public Comment Period 4:00 - 5:00

DAY 2

Session III Reducing CO₂ Emissions, continued

Moderator: Steve Albu, ARB

Powertrain and Drivetrain Modifications

8:00 - 9:30 a.m.

Dr. S. M. Shahed, Garrett Displacement Reduction with Boost;

Mr. Herbert Mozer, ZF Group Drivetrain Modifications (CVT, Toroidal CVT and

6-Speed Automatics)

Mr. Mike Ruth, Cummins Diesel Engine Technology

Break 9:30 - 9:45 a.m.

Powertrain and Drivetrain Modifications, continued

9:45 - 11:15 a.m.

Mr. Neville Jackson, Ricardo, Inc. i-Mo-Gen; Integrated Starter/Generator Technology

Mr. Jamie Turner, Lotus Controlled Auto Ignition, Camless Engines,

Variable Displacement Engines; Active Valve Train

Systems

Mr. Stephen Brueckner, AVL Direct Injection Gasoline

Session IV Hybrid Electric and Alternative Fuel Vehicles

Moderator: Jack Kitowski, ARB

1:00 - 3:00 p.m.

Mr. Ben Knight, Honda Honda's Perspective on Hybrid Electric Vehicles

Mr. Dave Hermance, Toyota Toyota's Hybrids

Dr. Andy Frank, UC Davis Advanced Hybrid Technology

Dr. Sandy Thomas, H2Gen Innovations Hydrogen Fuel Cells

Break 3:00 - 3:15 p.m.

Hybrid Electric and Alternative Fuel Vehicles, continued 3:15 – 4:15 p.m.

Dr. Louis Browning, ICF Consulting The Role of Alternative Fuels in Reducing

Greenhouse Gases

Mr. Michael Jackson, TIAX Well to Wheel Analysis of Alternative Fuels

Public Comment Period 4:15 - 5:00 p.m.

DAY 3

Session V - Simulation of Aggregated Technologies

Moderator: Bob Cross, ARB

8:30 - 10:30 a.m.

Mr. Albert Turtscher, AVL Advanced Simulation Technologies

Dr. John DeCicco, Environmental

Defense Fund

Systems Analysis

Mr. Neville Jackson, Ricardo, Inc. Systems Analysis

Dr. Peter Hofbauer, FEV Advanced Diesel Engines for the EU And US

Markets

Public Comment Period 10:30 - 11:30 am.